

Datasheet for ABIN457963 **anti-SERPING1 antibody**



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Overview

Quantity:	1 mL
Target:	SERPING1
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This SERPING1 antibody is un-conjugated
Application:	Immunoelectrophoresis (IEP), Immunodiffusion (ID), Radial Immunodiffusion (RID)

Product Details

Immunogen:	C1 esterase inhibitor is a single chain acid glycoprotein with a molecular weight of 110,000. The protein has a high carbohydrate content. In immunoelectrophoresis it has an alpha mobility. The concentration in normal serum ranges from 150 to 350 µg/ml. Reduced levels are observed in hereditary angioedema. It regulates the activation of complement factor C1 as well as the activity of activated C1 by coupling with the active catalytic site at the light chains of C1r and C1s. Moreover it also inhibits, kallikrein, Factor XI and Factor XII. Freund's complete adjuvant is used in the first step of the immunization procedure.
Isotype:	IgG
Specificity:	The antiserum does not cross react with any other component of human plasma. Inter-species cross-reactivity is a normal feature of antibodies to plasma proteins since they frequently share antigenic determinants. of this antiserum has not been tested in detail.
Characteristics:	Precipitating polyclonal goat antiserum to human C1 esterase inhibitor

Product Details

Purification:	Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies reacting with other plasma proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.
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Target Details

Target:	SERPING1
Alternative Name:	C1 Esterase Inhibitor (SERPING1 Products)
Background:	The reactivity of the antiserum is restricted to C1 esterase inhibitor. In immunoelectrophoresis and radial immunodiffusion (Ouchterlony), using various antiserum concentrations against fresh normal human plasma a single precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified C1 esterase inhibitor. No reaction is obtained with any other plasma protein component or serum. However, the antiserum may also react with fibrin monomers, circulating fibrinopeptides and fibrin degradation products
Pathways:	Complement System

Application Details

Application Notes:	In precipitating techniques as immunoelectrophoresis and single or double radial immunodiffusion to identify the presence of C1 esterase inhibitor in human plasma or other body fluids or to determine its concentration. The presence of non-precipitating antibodies has not been assayed. This does not exclude the use of the antiserum in non-precipitating antibody-binding techniques if proper controls are included. In immunoelectrophoresis use 2 µl or equivalent against 120 µl antiserum. In double radial immunodiffusion (Ouchterlony) use a rosette arrangement with 10 µl in a 3 mm diameter center well and 2 µl serum samples (neat and serially diluted) in 2 mm diameter peripheral wells.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added. Antibody titre: Precipitin titre 1:32 when tested against pooled normal human plasma in agar-block immunodiffusion titrat
Buffer:	Delipidated, heat inactivated, lyophilized, stable whole antiserum

Handling

Preservative:	Without preservative
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Storage:	4 °C
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